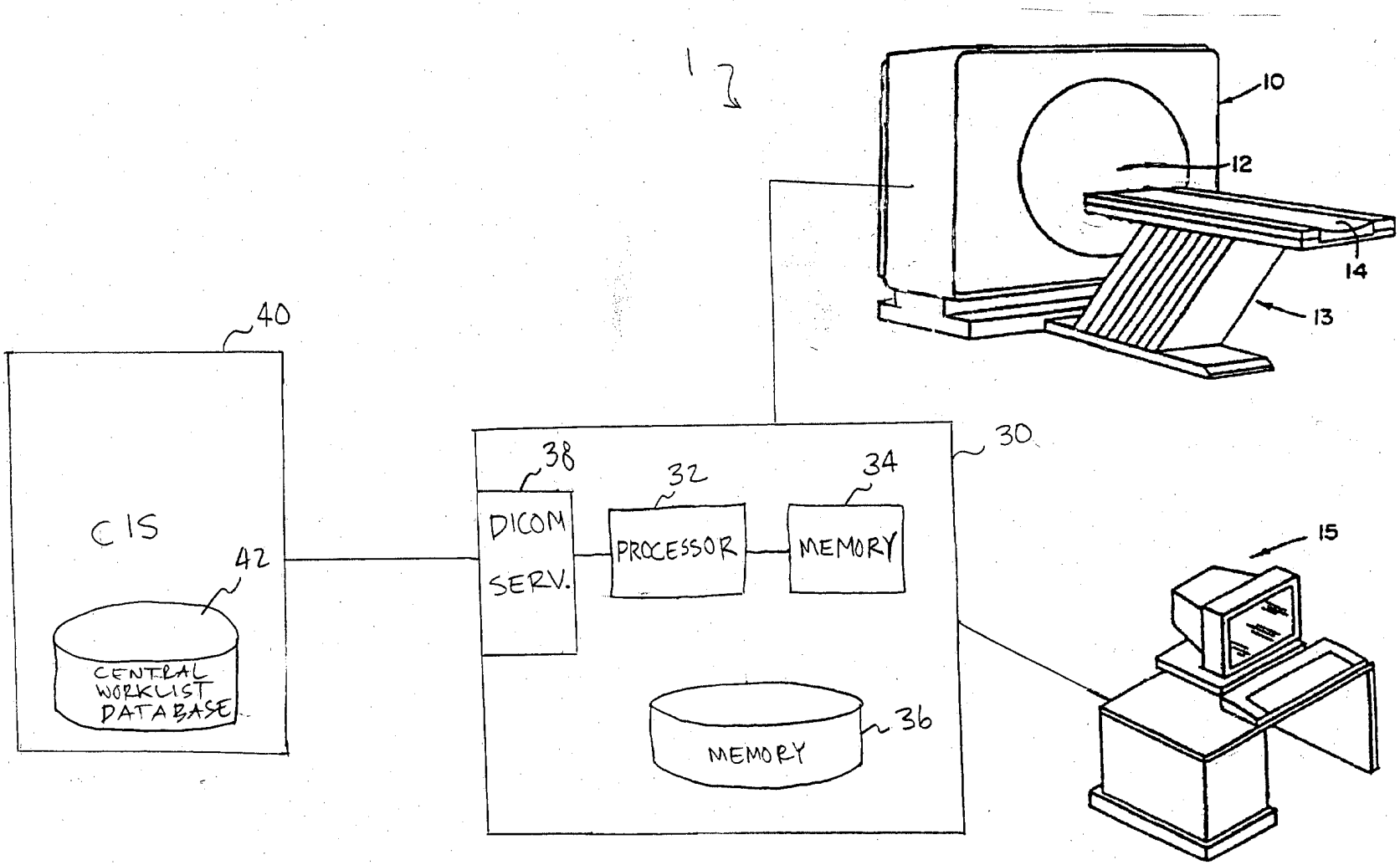

1
10
12
14
13
40
CIS
42
CENTRAL WORKLIST DATABASE
30
38
DICOM SERV.
32
PROCESSOR
34
MEMORY
36
MEMORY
15

FIGURE 1

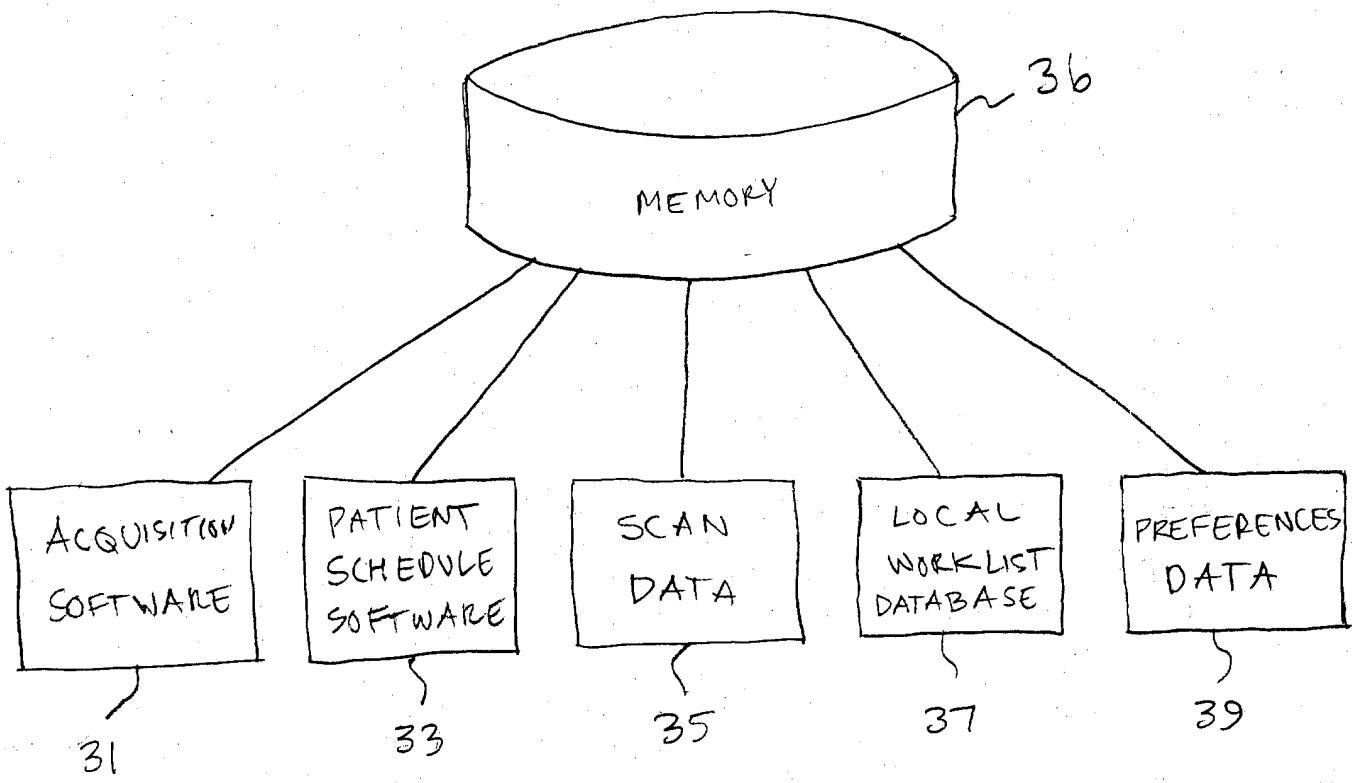
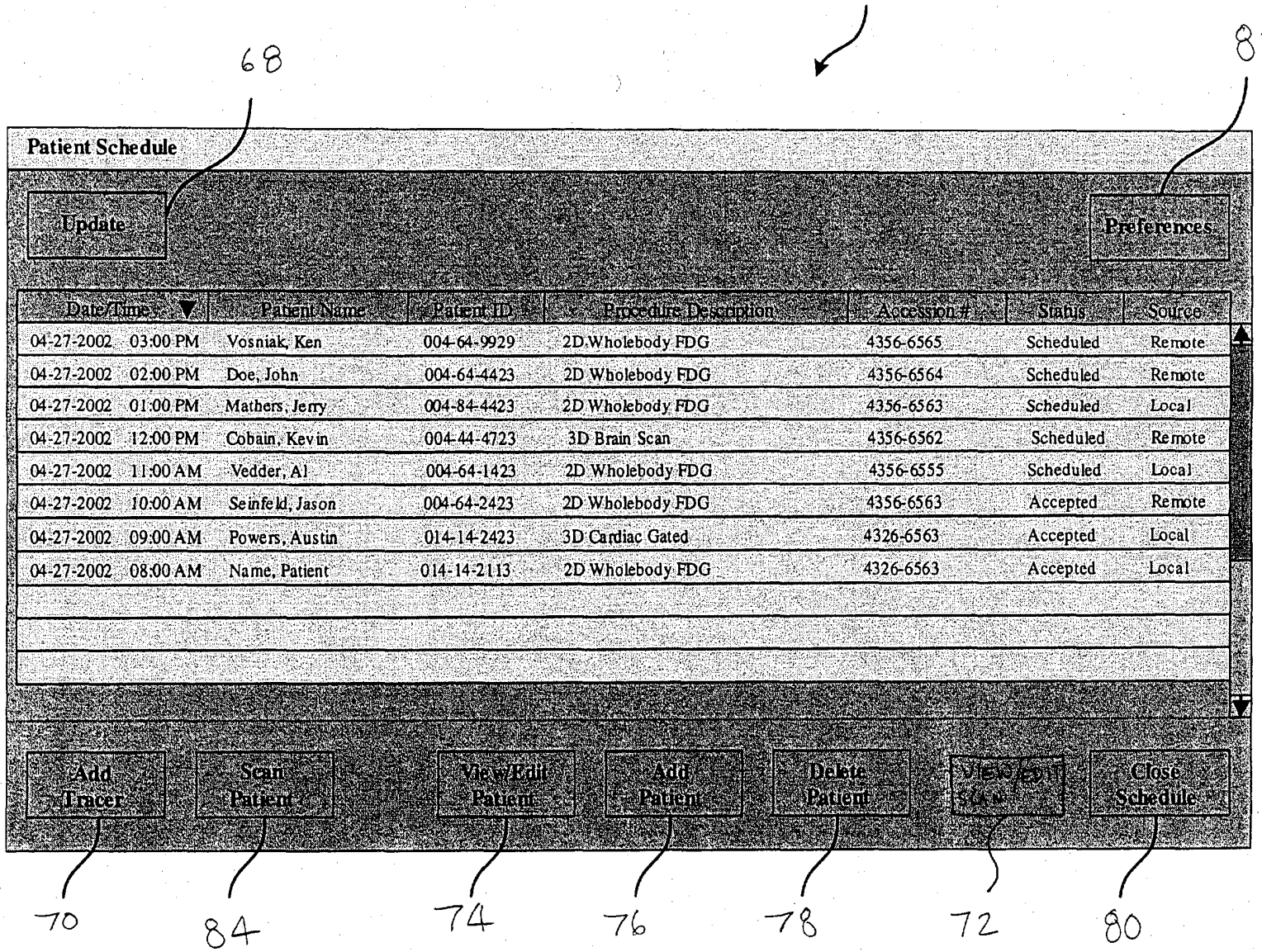

MEMORY
36
ACQUISITION SOFTWARE
PATIENT SCHEDULE SOFTWARE
SCAN DATA
LOCAL WORKLIST DATABASE
PREFERENCES DATA
31
33
35
37
39

FIGURE 2

FIGURE 3


68
82
Patient Schedule
Update
Preferences
Date/Time
Patient Name
Patient ID
Procedure Description
Accession #
Status
Source
04-27-2002 03:00 PM Vosniak, Ken 004-64-9929 2D Wholebody FDG 4356-6565 Scheduled Remote
04-27-2002 02:00 PM Doe, John 004-64-4423 2D Wholebody FDG 4356-6564 Scheduled Remote
04-27-2002 01:00 PM Mathers, Jerry 004-84-4423 2D Wholebody FDG 4356-6563 Scheduled Local
04-27-2002 12:00 PM Cobain, Kevin 004-44-4723 3D Brain Scan 4356-6562 Scheduled Remote
04-27-2002 11:00 AM Vedder, Al 004-64-1423 2D Wholebody FDG 4356-6555 Scheduled Local
04-27-2002 10:00 AM Seinfeld, Jason 004-64-2423 2D Wholebody FDG 4356-6563 Accepted Remote
04-27-2002 09:00 AM Powers, Austin 014-14-2423 3D Cardiac Gated 4326-6563 Accepted Local
04-27-2002 08:00 AM Name, Patient 014-14-2113 2D Wholebody FDG 4326-6563 Accepted Local
Add Tracer
Scan Patient
View/Edit Patient
Add Patient
Delete Patient
View/Edit Case
Close Schedule
70
84
74
76
78
72
80

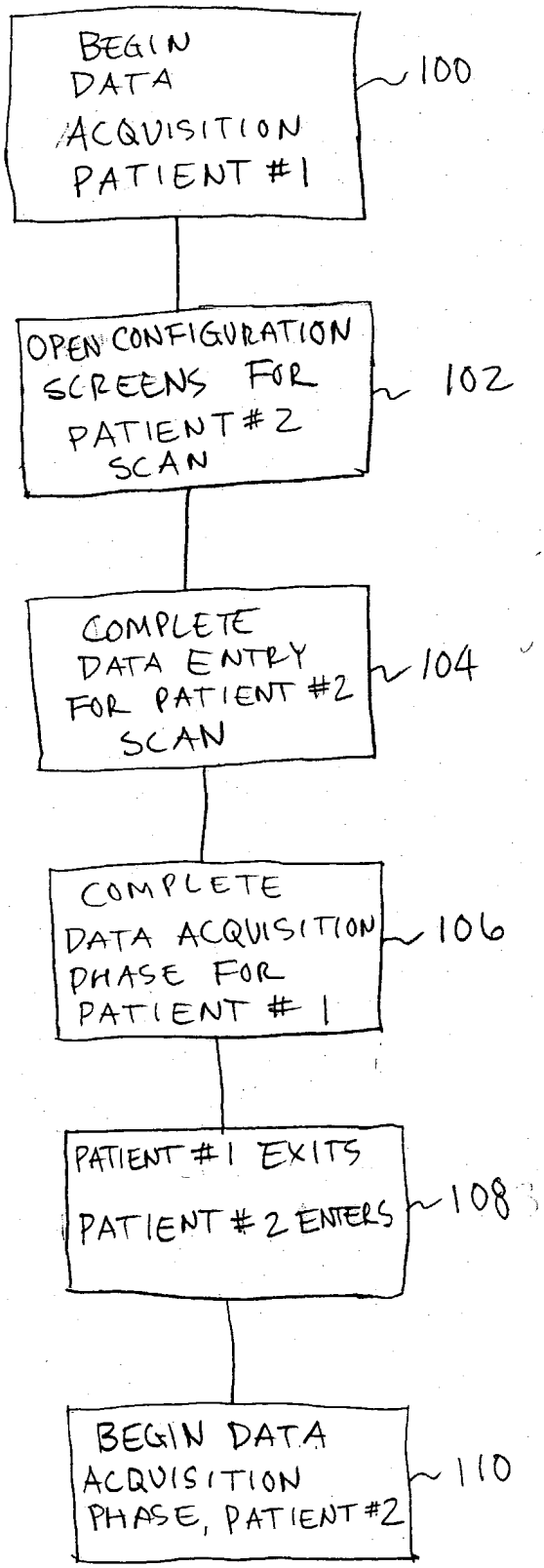

BEGIN DATA ACQUISITION PATIENT #1
100
OPEN CONFIGURATION SCREENS FOR PATIENT #2 SCAN
102
COMPLETE DATA ENTRY FOR PATIENT #2 SCAN
104
COMPLETE DATA ACQUISITION PHASE FOR PATIENT #1
106
PATIENT #1 EXITS
PATIENT #2 ENTERS
108
BEGIN DATA ACQUISITION PHASE, PATIENT #2
110

FIGURE 4

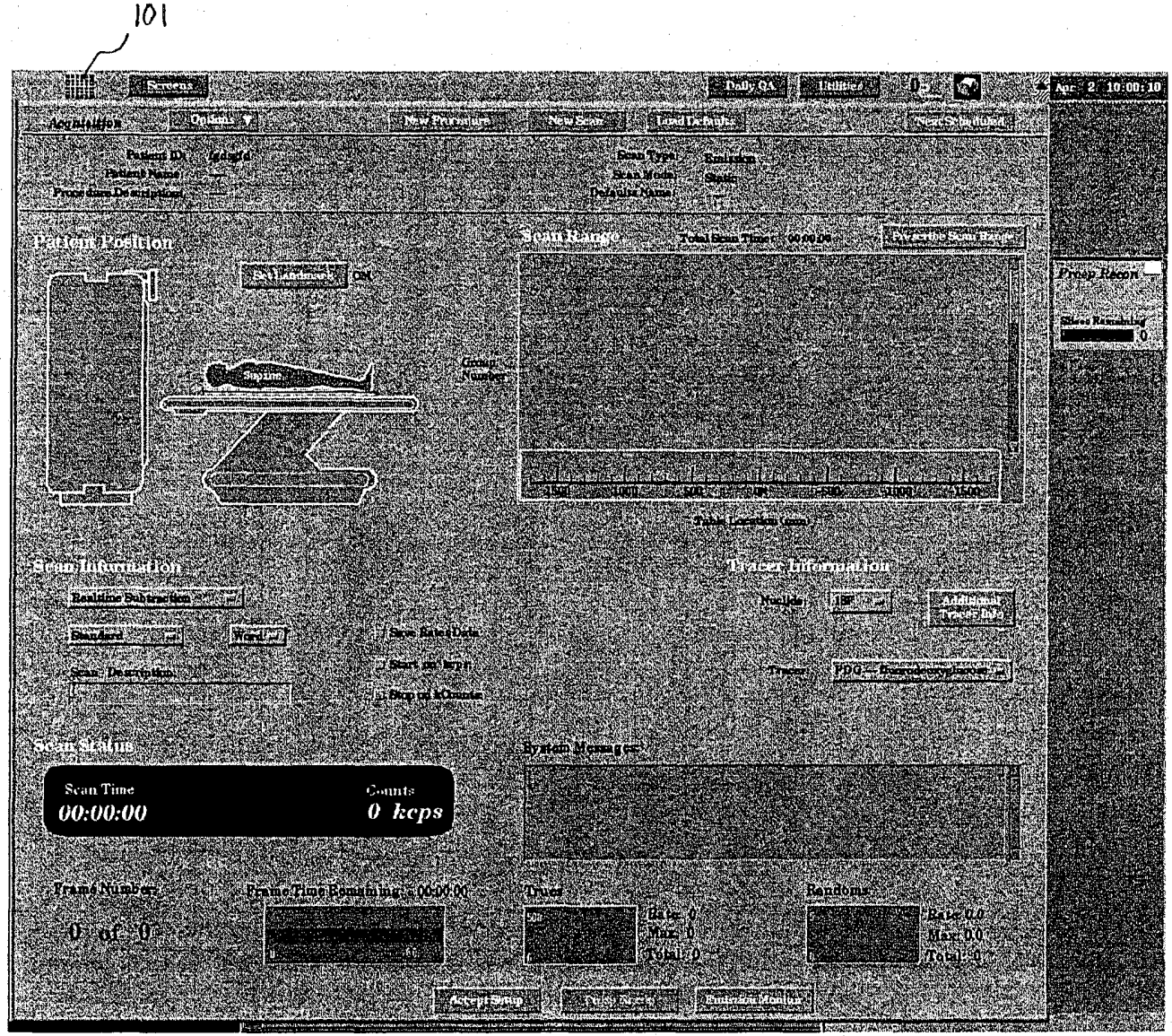

101
Patient Position
Scan Range
Scan Information
Tracer Information
Scan Status
Scan Time
00:00:00
Counts
0 kcps
System Messages
Frame Number
0 of 0
Frame Time Remaining = 00:00:00
Trues
Randoms

FIGURE 5

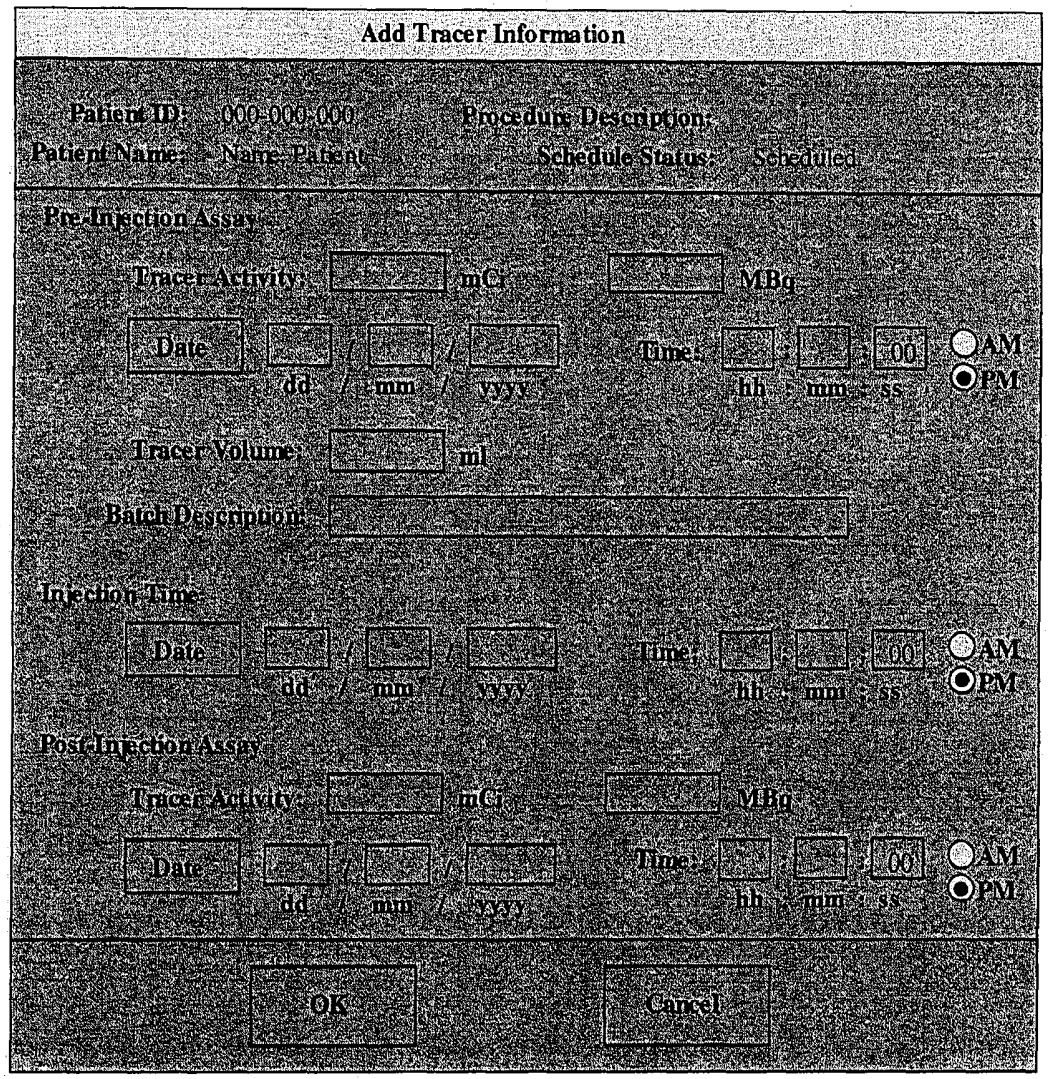

Add Tracer Information
Patient ID: 000-000-000
Procedure Description:
Patient Name: Name, Patient
Schedule Status: Scheduled
Pre-Injection Assay
Tracer Activity: mCi MBq
Date dd / mm / yyyy
Time: hh : mm : ss 00 AM PM
Tracer Volume: ml
Batch Description:
Injection Time
Date dd / mm / yyyy
Time: hh : mm : ss 00 AM PM
Post-Injection Assay
Tracer Activity: mCi MBq
Date dd / mm / yyyy
Time: hh : mm : ss 00 AM PM
OK
Cancel

FIGURE 6

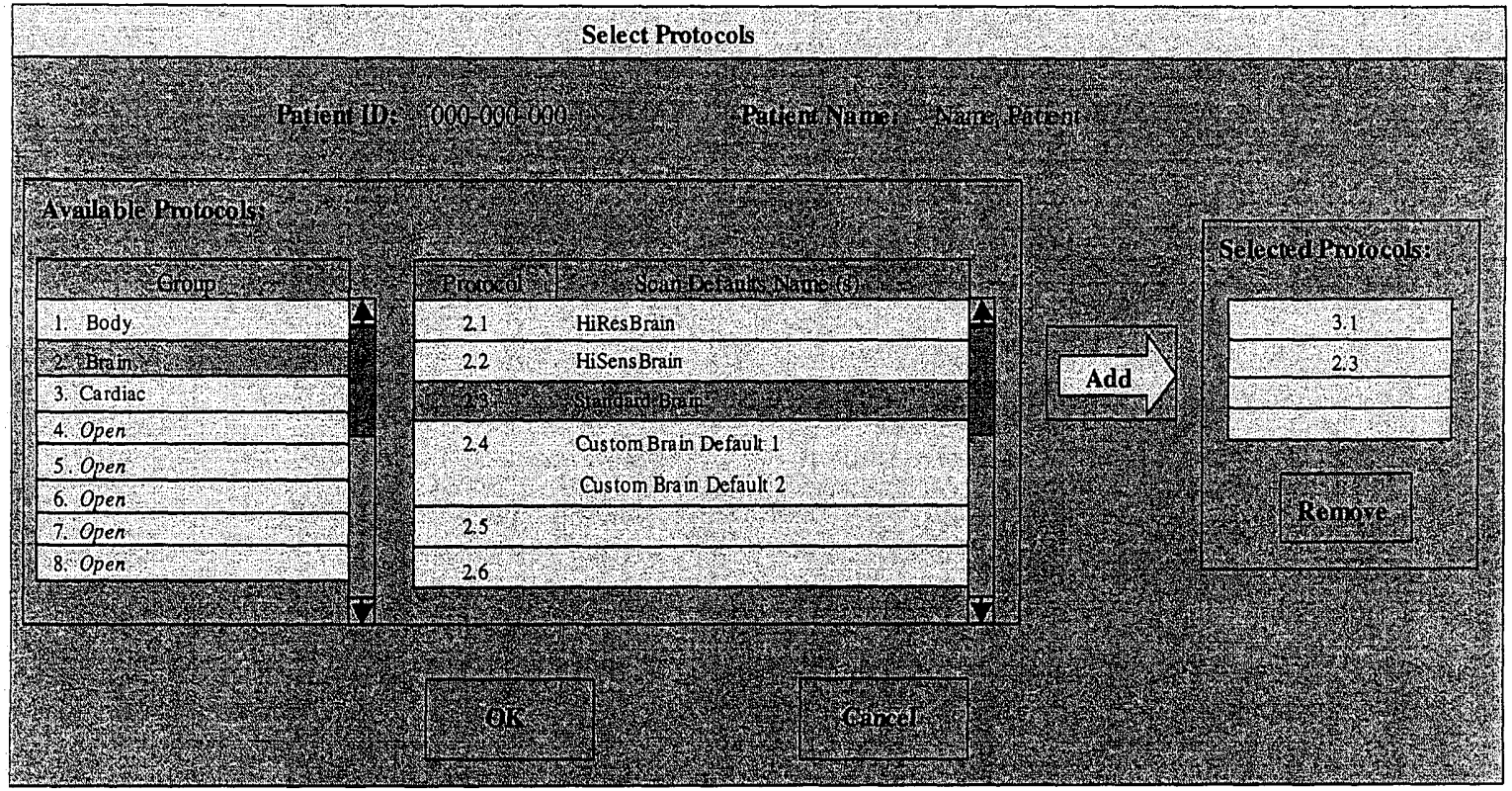

Select Protocols
Patient ID: 000-000-000
Patient Name: Name, Patient
Available Protocols:
Group
1. Body
2. Brain
3. Cardiac
4. Open
5. Open
6. Open
7. Open
8. Open
Protocol
Scan Defaults Name (s)
2.1 HiResBrain
2.2 HiSensBrain
2.3 Standard Brain
2.4 Custom Brain Default 1
Custom Brain Default 2
2.5
2.6
Add
Selected Protocols:
3.1
2.3
Remove
OK
Cancel

FIGURE 7

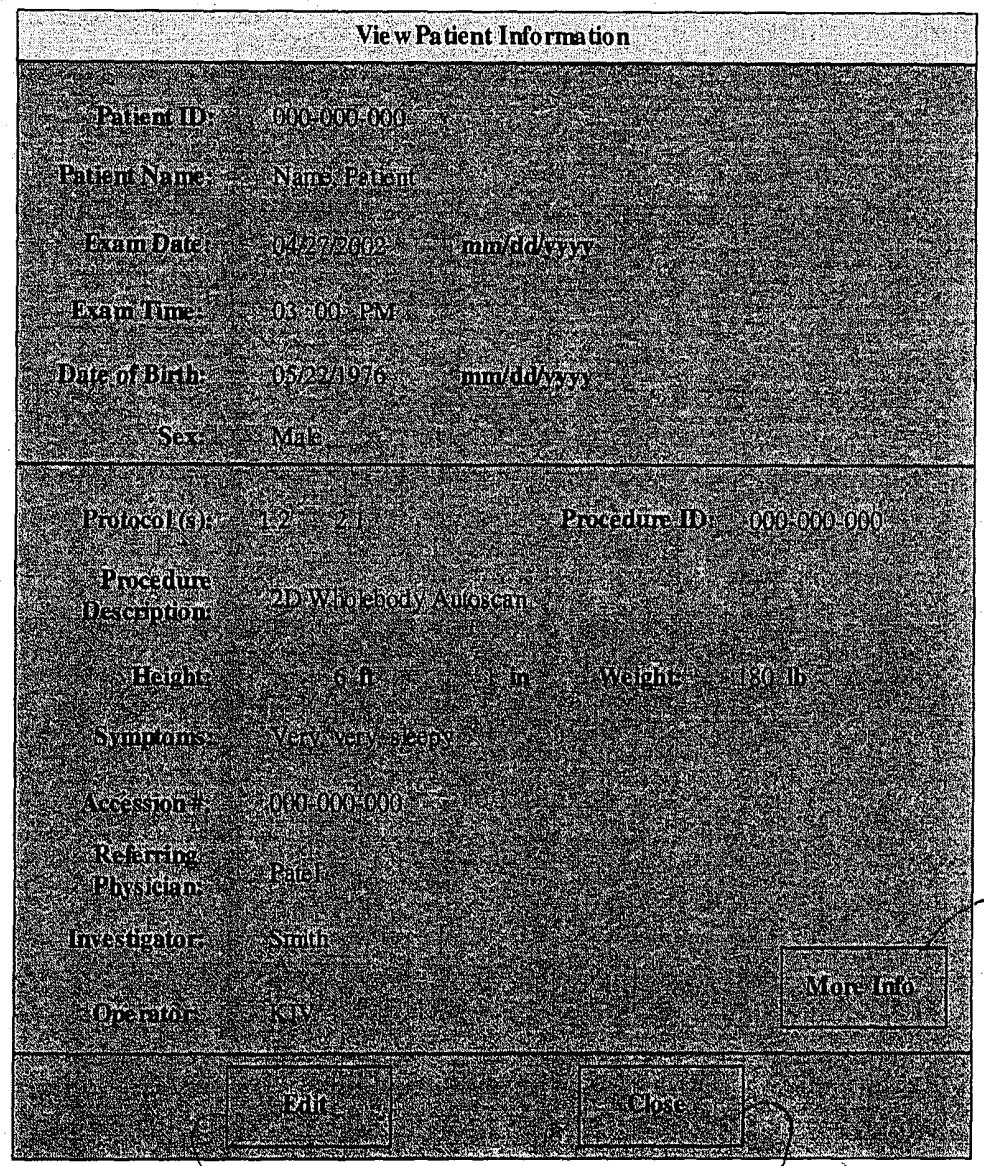

View Patient Information
Patient ID: 000-000-000
Patient Name: Name, Patient
Exam Date: 04/27/2002 mm/dd/yyyy
Exam Time: 03 : 00 PM
Date of Birth: 05/22/1976 mm/dd/yyyy
Sex: Male
Protocol(s): 1 2 2 1
Procedure ID: 000-000-000
Procedure Description: 2D Wholebody Autoscan
Height: 6 ft 3 in
Weight: 180 lb
Symptoms: Very Very sleepy
Accession #: 000-000-000
Referring Physicians: Patel
Investigator: Smith
Operator: KTV
More Info
Edit
Close
88
90
92

FIGURE 8

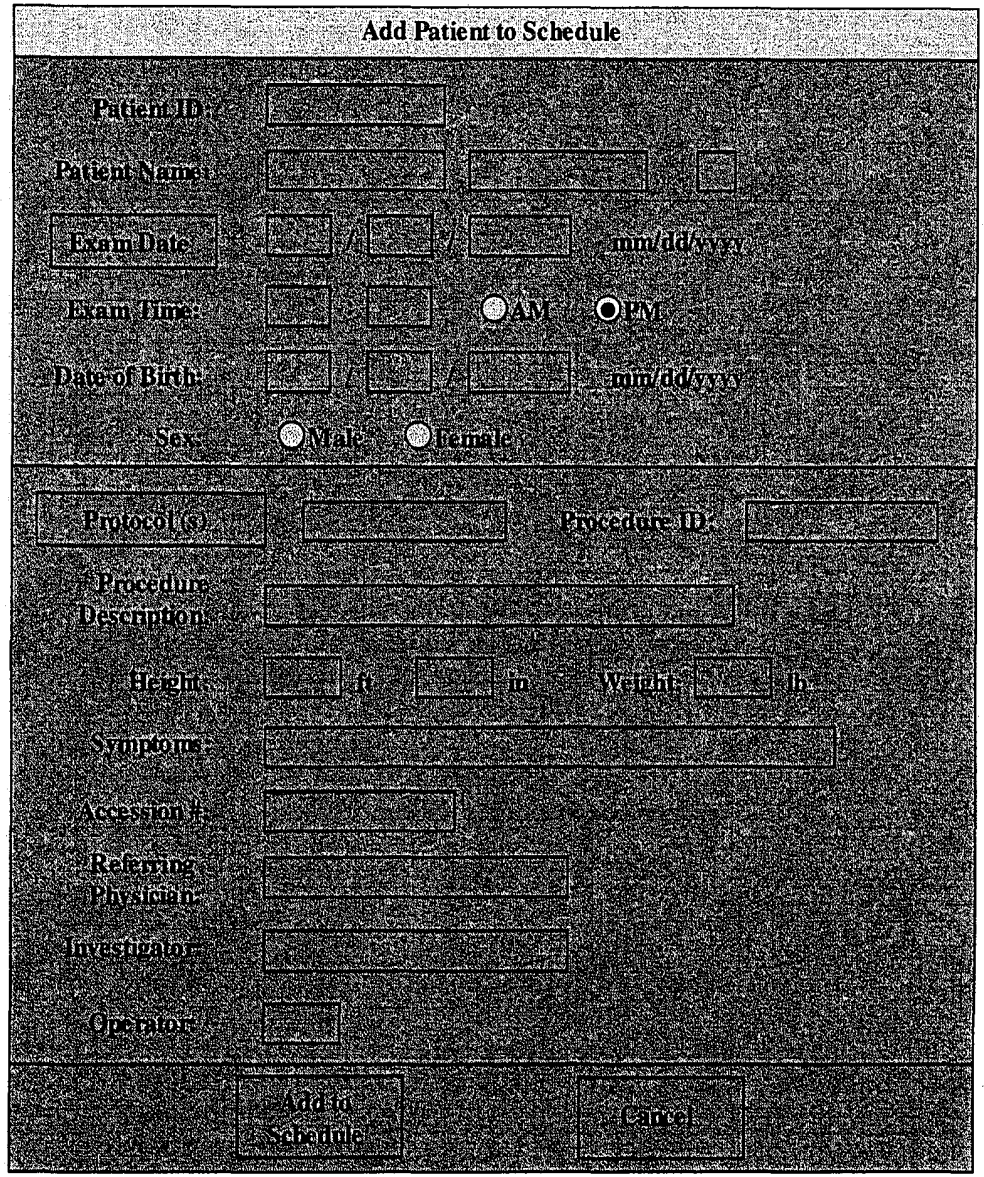

Add Patient to Schedule
Patient ID:
Patient Name:
Exam Date:
mm/dd/yyyy
Exam Time:
AM
PM
Date of Birth:
mm/dd/yyyy
Sex:
Male
Female
Protocol (s):
Procedure ID:
Procedure Description:
Height:
ft
in
Weight:
lb
Symptoms:
Accession #:
Referring Physician:
Investigator:
Operator:
Add to Schedule
Cancel

FIGURE 9

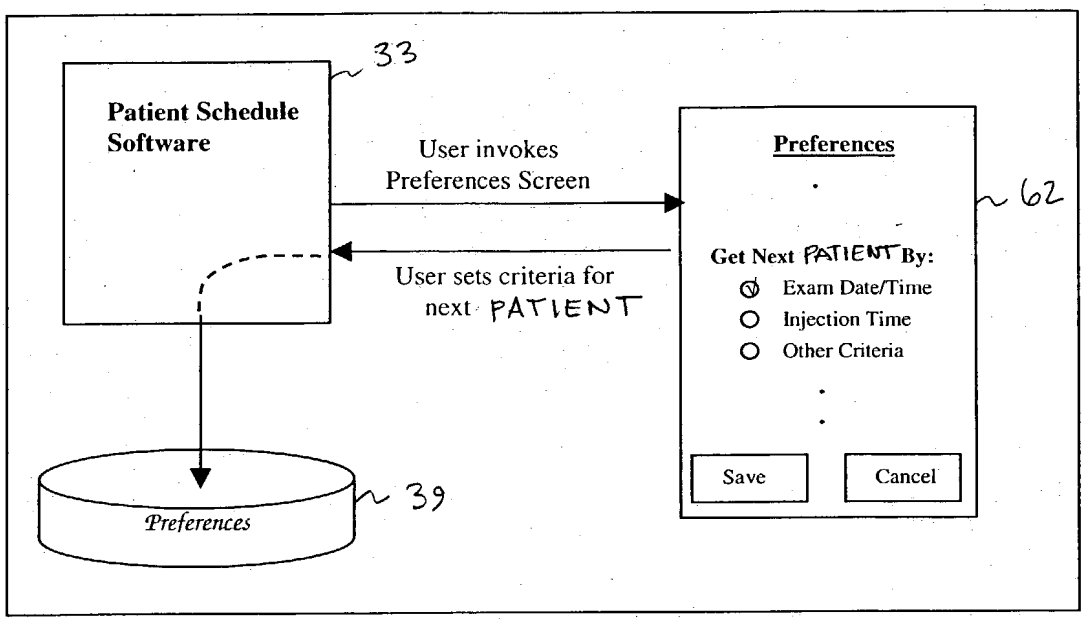

33
Patient Schedule Software
User invokes Preferences Screen
User sets criteria for next PATIENT
Preferences
39
Preferences
62
Get Next PATIENT By:
Exam Date/Time
Injection Time
Other Criteria
Save
Cancel

FIGURE 10

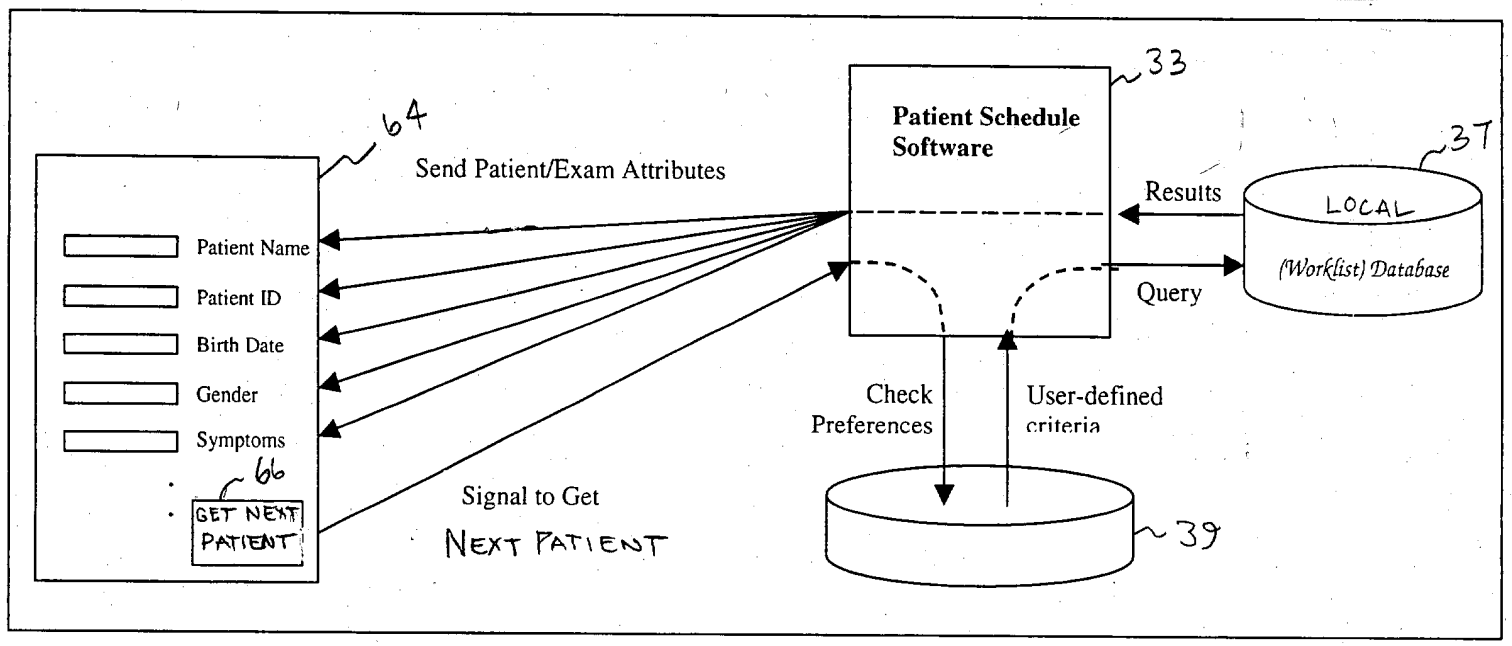

64
Send Patient/Exam Attributes
Patient Name
Patient ID
Birth Date
Gender
Symptoms
66
GET NEXT PATIENT
Signal to Get
NEXT PATIENT
33
Patient Schedule Software
37
LOCAL
(Worklist) Database
Results
Query
Check Preferences
User-defined criteria
39

FIGURE 11